

81
This peptide is termed a "Kemptide," and the fluorescein-labeled peptide is termed a "fluo-Kemptide." These experiments use cAMP-dependent protein kinase A (PKA, Promega) as the enzyme and fluo-Kemptide as the substrate. These experiments show the utility of the MM-Ga system for detection of phosphorylated serine and the presence and/or activity of serine/threonine kinases and phosphatases.

Please insert the attached paper copy of the "Sequence Listing" immediately prior to the claims.

Applicants have attached a separate, marked-up version of the amended paragraph, showing changes relative to the previous version of the paragraph, in accordance with 37 C.F.R. § 1.121.